



#14

Sheet 1 of 1

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ATTY DOCKET NO.  
38005-0147SERIAL NO.  
09/842,316INFORMATION DISCLOSURE STATEMENT  
BY APPLICANT

(Use several sheets if necessary)

APPLICANT  
KOSTENIS *et al.*FILING DATE  
April 26, 2001GROUP  
UnassignedRECEIVED  
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## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE (M/D/Y)	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

## FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE (M/D/Y)	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
2	A1	WO 00/22129	04/20/00	PCT	1	1
2	A2	WO 00/11166	03/02/00	PCT	1	1
2	A3	WO 99/19513	04/22/99	PCT	1	1
2	A4	WO 01/04139 A2	01/18/01	PCT	1	1
2	A5	EP 1 090 925 A1	04/11/01	EPO	1	1

## OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)

2	A6	Hla et al., "Sphingosine-1-Phosphate Signaling via the EDG-1 Family of G-Protein-Coupled Receptors", Annals New York Academy of Sciences, pp. 16-24
2	A7	Im et al., "Characterization of a Novel Sphingosine 1-Phosphate Receptor, Edg-8", The Journal of Biological Chemistry, May 12, 2000, Vol. 275, No. 19, pp. 14281-14286
2	A8	Glickman et al., Molecular Cloning, Tissue-Specific Expression, and Chromosomal Localization of a Novel Nerve Growth Factor-Regulated G-Protein-Coupled Receptor, nrg-1", Molecular and Cellular Neuroscience 14, pp. 141-152, 1999
2	A9	An et al., "Signaling Mechanism and Molecular Characteristics of G Protein-Coupled Receptors for Lysophosphatidic Acid and Sphingosine 1-Phosphate", Journal of Cellular Biochemistry Supplements, 30/31, pp. 147-157, 1998
2	A10	Im et al., "Homo sapiens sphingosine 1-phosphate receptor Edg-8 gene, complete cds", Database EM_HUM Online, 1 p., December 6, 2000
2	A11	Ebi, "Homo sapiens chromosome 19 clone CTC-429L19, Working Draft Sequence, 4 Ordered Pieces, 13 pgs. October 8, 1999

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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 1 of 8

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Application Number	09/842,316
Filing Date	April 26, 2001
First Named Inventor	KOSTENIS et al.
Group Art Unit	Unassigned
Examiner Name	Unassigned
Attorney Docket Number	38005-0147

### OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T
✓	B1	AN et al.; Characterization of a Novel Subtype of Human G Protein-coupled Receptor for Lysophosphatidic Acid; The Journal of Biological Chemistry; vol. 273, No. 14, Issue of April 3, pp. 7906-7910, 1998	
✓	B2	AN et al.; Sphingosine 1-Phosphate-induced Cell Proliferation, Survival, and Related Signaling Events Mediated by G Protein-coupled Receptors Edg3 and Edg5; The Journal of Biological Chemistry; vol. 275, No. 1, Issue of January 7, pp. 288-296, 2000	
✓	B3	AN et al., Transduction of Intracellular Calcium Signals through G Protein-Mediated Activation of Phospholipase C by Recombinant Sphingosine 1-Phosphate Receptors; The American Society for Pharmacology and Experimental Therapeutics; pp 787-794; (1999)	
✓	B4	ANCELLIN et al., Differential Pharmacological Properties and Signal Transduction of the Sphingosine 1-Phosphate Receptors EDG-1, EDG-3, and EDG-5 vol. 274, No. 27, Issue of July 2, pp. 18997-19002, (1999)	
✓	B5	OKANO et al., Myelin Basic Protein Gene and the Function of Antisense RNA in Its Repression in Myelin-Deficient Mutant Mouse; Journal of Neurochemistry; Vol. 56, No. 2, 1999 pp. 560-567	
✓	B6	BARBAS III et al., Combinatorial Immunoglobulin Libraries on the Surface of Phage (Phabs): Rapid Selection of Antigen-Specific Fabs; Methods A Companion to Methods in Enzymology, vol. 2, no. 2, April, pp 119-124, (1991)	
✓	B7	BITTER et al., Expression and Secretion Vectors for Yeast; Methods in Enzymology, vol. 153, pp 516-544	
✓	B8	BUNEMANN et al., A Novel Membrane Receptor with High Affinity for Lysosphingomyelin and Sphingosine 1-phosphate in Atrial Myocytes; The EMB Journal vol. 15. no. 20 pp 5527-5534, 1996	
✓	B9	CARTER et al./ Humanization of an Anti-p185...; Proc. Natl. Acad. Sci USA; vol. 89, pp 4285-4289, May 1992	
✓	B10	CHAO et al.; Sphingosine-mediated Phosphatidylinositol... The Journal of Biological Chemistry, vol. 269, No. 8, February 25, 1994; pp 5849-5856	
✓	B11	COONEY et al.; Site Specific Oligonucleotide Binding... Science, vol. 241; pp 456-459	

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✓	B12	CORPET, Multiple Sequence Alignment...; Nucleic Acids Research; Vol. 16, 1988; pgs. 10881-10890	
✓	B13	COTTON; Reactivity of Cytosine...; Proc. Natl. Acad. Sci., Vol. 85, pp. 4397-4401; 6/1988	
✓	B14	DERVAN et al.; Second Structural Motif ...; Science, Vol 251; pgs 13601363; 1991	
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✓	B16	GHOSH et al., Sphingosine 1-Phosphate...; Journal of Biological Chemistry; vol. 269, No. 36, 9/1994; pp. 22628-22635	
✓	B17	GLICKMAN et al.; Molecular Cloning...; Molecular and Cellular Neuroscience 14, pgs. 141-152 (1999)	
✓	B18	GOHLA et al.; Differential Involvement of...; The Journal of Biological Chemistry; Vol. 274, No. 25, 6/18 1999; pp. 17901-17907	
✓	B19	GONDA; The Novel Sphingosine...; Biochem J. (1999) 337, 67-75	
✓	B20	GREEN et al., Antigen-Specific Human Monoclonal...; Nature Genetics, vol. 7, 5/1994; pgs 13-21	
✓	B21	GUEGUEN et al.; Structure -Activity Analysis...; Biochemistry 199, 38, 8440-8450	
✓	B22	HISANO et al., Induction and Suppression...; Blood, Vol 93, No. 12; June 15, 1999; pp 4293-4299	

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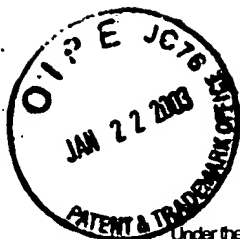
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		Application Number	09/842,316
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)		Filing Date	April 26, 2001
		First Named Inventor	KOSTENIS et al.
		Group Art Unit	Unassigned
		Examiner Name	Unassigned
		Attorney Docket Number	38005-0147
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	B23	Nordstrom et al.; Translational Control By Antisense...; Gene, 72 (1988) 237-240	
	B24	HIGGINS et al., Fast and Sensitive Multiple...; Cabios Communications; vol. 5, no. 2, 1989 pp 151-153	
	B25	HLA et al., Sphingosine-1...; Biochemical Pharm; vol. 58, pp. 201-207; 1999	
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	B27	HUANG et al., Parallelization of Local...; Cabios; vol. 8, no. 2, 1992, pgs 155-165	
	B28	IM et al., Molecular Cloning and...; Computer Applications in the Biosciences; 8:1-06 (1992)	
	B29	JALINK et al.; Lysophosphatidic Acid...; Biochem Biophys. Acta 1198:185 (1994)	
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	B33	KOHLER et al.; Continuous Cultures...; Nature Vol. 256, August 1975; pgs 495-497	

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Sheet 4 of 8

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Application Number	09/842,316
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First Named Inventor	KOSTENIS et al.
Group Art Unit	Unassigned
Examiner Name	Unassigned
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2	B34	KOSTENIS et al., The N-Terminal Extension; The Journal of Biological Chemistry; vol. 272, No. 31, 1997; pp. 19107-19111	
2	B35	LEE et al., Complexes Formed By...; Nucleic Acids Research; vol. 6, no. 9; 1979; pgs 3073-3091	
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2	B45	MOOLENAAR et al., Lysophosphatidic Acid...; Current Opinion in Cell Biol 9: pp. 168-173 (1997)	
2	B46	MORRIS; One Wheel On My Wagon...; Trends Pharmacol Science 20; pp. 393-395, (1999)	
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	B56	PYNE et al., Sphingosine 1-phosphate; Biochem J. (2000) 349, 385-402	
	B57	SADAHIRA et al., Sphingosine 1-phosphate...; Proc. Natl. Acad. Sci. vol. 89, pp. 9686-9690, October 1992	
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	B60	SCHULZE et al., Lysophosphatidic Acid Increases...; Journal of Neurochemistry; vol. 68, No. 3, 1997, pp. 992-1000	
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	B62	SMITH et al., Comparison of Biosequences; Advances In Applied Mathematics 2, pp. 482-489; (1981)	
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	B68	XIA et al., Activation of Sphingosine Kinase...; The Journal of Biological Chemistry; vol. 274, no. 48, November 1999; pp. 34499-34505	
	B69	YAMAZAKI et al., Egg-6 as a Putative... Biochemical and Biophysical Research Communications 268, pp. 583-589 (2000)	
	B70	YATOMI et al., Sphingosine 1-Phosphate...; J. Biochem, 121, pp. 969-973 (1997)	
	B71	YATOMI et al., Sphingosine 1-Phosphate...; J. Biochem, vol. 272, No. 8, pp. 5291-5297, 1997	

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